

The Groundplane



Join other SBARA members at the North China Restaurant for a pre-meeting social dinner.
Time: 6:00PM — Date: February 11th — Address: 39144 Paseo Padre Parkway (In the Raley's shopping center)

President's Message — By Al Rendon WT6K

It was an exciting January for SBARA. Twenty of you members and guests attended the pre-meeting dinner on the 14th. That was up from seventeen dinner attendees in November when we tried it for the first time. It seems to be a successful social addition to our meeting night's activities. In addition, thirty members and guests attended the January 2005 meeting. This was up from seventeen attendees at the January 2004 meeting. I appreciate all the support you are showing for our programs and activities. The leadership team's efforts to 'reinvent' SBARA are beginning to bear fruit. The 2005 leadership team is committed to continue implementing ideas that make it more interesting and fun to attend SBARA functions. We are planning to start a bonus raffle ticket incentive program for members who bring a guest to our meetings. Come to the February 11th SBARA meeting and listen to Gene Arrillaga KF6ZYD talk about the details. Speaking of the raffle,

Gene has purchased a Yaesu FT-150 five watt 2M HT and a SGS high quality Digital Voltmeter for raffle prizes. He plans to give away a 2M mobile at an upcoming meeting. I hope you are enjoying the new look of the Ground Plane newsletter. Bill Artelt WB9YVM has worked hard at creating a 'column' layout that is easier to read. Talking about reading the newsletter, be sure and look at Don Gintel's KG6SBE article summarizing last month's activities. Those of you who could not attend the meeting can review the fun filled evening. For example, at the meeting two future workshops were presented. The membership responded with an overwhelming support for putting on the workshops. See Don's article for some details and stay tuned for the workshop schedule. I want to thank Elise Ciruolo KF6TQB the SBARA 2005 Vice President for saying yes to leading the February 11th membership meeting. I'll be skiing in Aspen that week. Jim and Joanne Wood will be going also, so

the three of us will not be at the dinner at North China Restaurant or the meeting. Having said that, I encourage those of you who have not been active in SBARA's activities to come and join your fellow members and guest at the February meeting. It will be interesting and fun listening to Bill Rausch AA6PA talk about working the new AO51 Satellite. I hope you will come and take my place!
73, Al Rendon WT6K

February Program

Want to learn how to work the latest launched satellite? Our own Bill Rausch AA6PA will be presenting a tutorial on how to make a contact using a Low Earth Orbit satellites (LEOs). He will describe what you need to have to put a station together. Beginning with the software for predicting when the satellite will appear over the horizon in your area, to entering the Keplerian elements for tracking the orbit as it passes overhead. (cont'd. on page 2).

February 2005
Volume 6 Issue 2

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Special points of interest:

- Work the Leo's—
AA6PA—Bill
- Syd's Doing Better back Home
- Member Profile—
K6EEP—Mike

Secretary News — By Don Gintel— KG6SBE

Hello All and 73's I hope you all found good health as we entered into 2005, as for January the new Board of Directors are in place, we started off the new year by having 20 people attending the pre-meeting dinner, also Mitch AE6A1 and Morris AD6ZH from Ham Stop joined us for dinner prior to giving their presentation at the meeting.

At the meeting information was presented by President Al Rendon WT6K on two upcoming workshops, one being a 2-meter Optimized Wideband Antenna OWA Yagi, and the other one being a T-hunting Time of Arrival TOA Detector.

Mitch and Morris presented the main event from HamStop on the use of Power Pole power distribution.

We ended a great presentation with even a better raffle. First Prize was won by our own Mike Fung

WA6AWI who walked away with a RS-95 Pro Scanner and Second Prize which was donated by the gentleman from HamStop of a Power Pole distribution unit was won also from our club Mike Studer K6EEP there were also a number of smaller prizes that were also won by a number of people, remember if you don't show up at the meeting and take part in the raffle you can't win.

Until next time 73's to all, and don't forget to attend the February meeting on the second Friday of the month and if you can attend the pre-dinner and get a start on a great evening.

Don Gintel KG6SBE

Club Secretary

SEND SYD W6QWK A GET WELL CARD

As many of you may know our dear friend and 2005 Membership Chairperson, Syd Furman W6QWK has been under the weather. I am happy to report that Syd is doing much better and is back at home. I'd like to encourage everyone who has known Syd through the years to send him a get well card at his home address:

Syd Furman
Masonic Home
34400 Mission Blvd.
Adams 306
Union City, CA 94587

I know he will enjoy hearing from you. Al — WT6K

February Program (cont'd.)

(from page 1) He will quickly describe the simple hardware required. Then Bill will go over the operating procedures for successfully working the 'bird', e.g., preparing for the pass, orientating yourself and antenna, proper etiquette or what are the do's and don'ts, etc. He will tell you all you need to know about the Doppler shift in various LEO modes and what other common problems you may encounter with their fixes. By the end of the evening you will understand what a beginner can expect in their first attempts at working

another ham through a satellite. As a coordinated effort, our SBARA raffle first prize will be a 2M/70CM dual band log periodic antenna and tracking software for setting up your own satellite station. All you will need to add is a dual band HT and have a PC for running the software. Don't miss this interesting program from Mr. AMSAT himself!

SBARA Monthly

Meeting Dates — 2005

February 11

March 11

April 8

May 13

June 10

SBARA Monthly Meeting are the Second Friday of every month.

SBARA Sat down with Mike Studer — K6EEP

Where did you get your start?

Back in upstate NY. First licensed in 1975 as WN2CCE. Got my Extra in 1984.

How did you become a ham?

I found some old ham equipment my dad had hidden in a closet. All the shiny knobs had a magnetic effect on me. My dad caught me after I had his old Hammerlund HQ-129X out and running. His license had lapsed but he used to be W2KIL. He helped me get licensed. And gave me lots of encouragement.

What callsigns have you held?

In order they are ...WN2CCE, WA2CCE, WN2CCE (again), AB6CV, and now K6EEP.

What has been your involvement in ham radio over the years?

In chronological order..

I was pretty active in high school and college. Charter member of my high school's ham club. Member of Ham Radio Explorer Post 204 WA2OYR (now defunct). Was a guest op at W1AW. Ran the RTTY station. Until the pileup was so bad I could not sync to anything. Then did not do much while I was in the Navy. Joining SBARA has rekindled my interest.

Current club memberships?

FISTS #9773, SBARA, PAARA, ARRL, SMIRK #3642

Current ham activities?

Writing Linux software for ham radio. hamsoftware.org is my website. I also plan on writing MAC OS X software. I have started porting some projects over to the MAC.

Building another Elecraft K2 for QRP portable work.

Professional career(s)?

Did a stint in the Navy for 6 years. Learned about radar jamming. Was in a A6E bomber squadron, VA-52. Did 2 cruises on CVN-70, the Carl Vinson.

Tracked satellites for the Air Force for 9 years at the Blue Cube. Myself and another ham, KA9GDO, both worked on the night shift. We used to tape Russian weather satellite photos over the US ones in the lobby late at night. We would receive the Meteor satellites at our homes on 135Mhz. Then we would save and print the FAX pictures out and take them to work. Our pictures were much better quality. They got so embarrassed that they finally upgraded the picture quality in the lobby. We had labeled the pictures with the Russian satellite names just so they knew what it was.

At Sun Microsystems now working on C, C++, and Fortran, compilers. Getting bug fixes to our customers.

Other hobbies?

Well Airplanes are my current favorite thing. Building my own in the garage, a Cassutt IIIM Sport version. I am a licensed pilot (or it would be kind of silly to be building a airplane).

Motorcycles have been a hobby of mine for years. Dirt bikes are my favorite. I used to race motocross. And did reasonable well. I have a Honda XR-400 now. If you ride too let me know and we can ride together sometime.

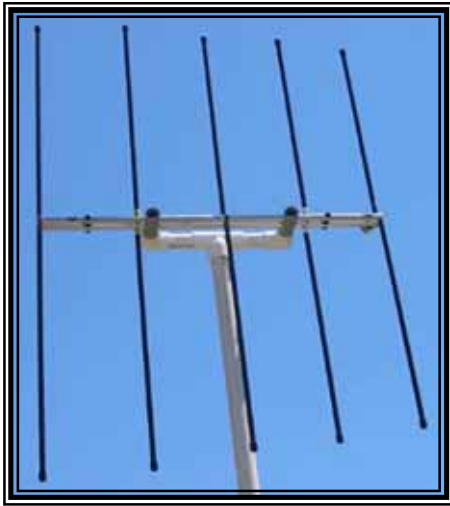
RC aircraft are lots of fun too. I use the 6 meter band allocation for my RC radios. I mostly fly slope gliders at Coyote Hills. When the weather is better. Anyone that wants to learn how let me know.

Education

I attended college.

Raffle News — Gene Arrillaga — KF6ZYD

In February's program, Bill Rausch AA6PA will tell you everything you need to know to work with the new AO51 Satellite and SBARA will raffle the antenna and software you need to get the job done. The antenna is a 5 element 2M/440 Log Periodic ELK antenna ideal for satellite contacts. No duplexer required, this is a plug and play antenna.



Elk 2M/70Cm Log Periodic

A \$74.99 value more information at:
<http://www.elkanten.com/2m440element.htm>

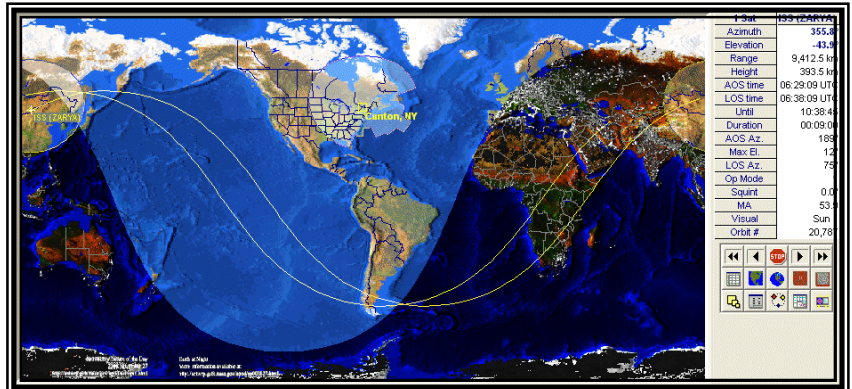
The software is Nova for Windows -- A popular Windows-based satellite tracking program (sorry Mac users) and the same program Bill uses for his satellite work. A \$59.95 value more information at:

<http://www.nlsa.com/>
or
<http://www.arrl.org/catalog/index.php3?category=Space%2FSatellites>



Real Time Tracking Software

Raffle prizes provided by SBARA with the generous help of HRO Sunnyvale and Northern Lights Software Associates.



ISS Path

International Communications Coalition

Commemorative Website for the Amateur Radio Efforts in the Aftermath of the December 26, 2004 Asian/Indian Ocean Earthquake/Tsunami
<http://www.tsunamireliefnet.com/new/>

Photos — And the Winners Were, January Meeting



I hope the presentation starts soon!



PSK The Easy Way!!!



Now I can Listen to all the Stations!



This is really cool – Thanks Guys!!!



I am going to wear this hat proudly!



Yippie Skippie — Another Win!!!

Handy Web Links

| | |
|-----------------------|---|
| SBARA Web Site | http://www.qsl.net/sbara |
| ARRL Main Site | http://www.arrl.org/ |
| ARRL SCV Division | http://www.arrl.org/sections/SCV.html |
| ARRL East Bay Section | http://www.pdarrrl.org/ebsec/index.html |
| ARRL Contest Page | http://www.arrl.org/contests |
| Contest Calendar | http://www.hornucopia.com/contestcal |
| Callsign Lookup (QRZ) | http://www.qrz.com/ |
| Vanity Callsign Info | http://www.vanityhq.com/ |
| I RLP Main Page | http://www.irlp.net/ |
| AMSAT | http://www.amsat.org/ |
| FCC Services | http://wireless.fcc.gov/services/amateur |

SBARA on the Internet at

<http://www.qsl.net/sbara>

On the Air at 147.015 + PL 103.5

Fremont Repeaters & Net Information

WA6PWW - 147.015 +600Khz, PL 103.5
 WA6PWW - 223.900 -500Khz, PL 107.2
 WA6PWW - 442.600 +5Mhz, PL 107.2
 N6OXR - 146.94 -600Khz, PL 123.0
 N6OXR - 441.525 +5Mhz, PL 123.0
 ARES - Tuesday @ 7:30pm - 147.015 + PL 103.5

Groundplane SBARA Newsletter Copyright 2005 SBARA

The Groundplane is published monthly by the South Bay Amateur Radio Association. Articles and letters are always welcome. The normal deadline for material is six days prior to the end of the previous month. Articles can be sent by email to hamradio@comcast.net or via U.S. Mail. Contact the Editor for details and submission guidelines. The opinions expressed in the Groundplane are strictly those of the authors.

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- Selectable IF filter shapes for SSB & CW
- Multiple DSP controlled AGC loops
- Advanced CW functions
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ALINCO



DJ-196T 2M/HT

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- Alphanumeric display
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- "S" meter
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- 100 mems • Built-in TNC 1200 & 9600 Baud
- Front Panel GPS in • Rear DB-9 port
- CTCSS/DCS Encode/Decode built in

Low Pricing!

The Ground Plane



SBARA monthly meeting:
February 11th, 2005
at the Veterans Hall in the
Niles District
Meeting Details in this Issue

At 6:00PM prior to the February 11th SBARA meeting we will be meeting for dinner at the North China Restaurant. Join your fellow SBARA members for a social meal. North China is located in the Gateway Plaza on Paseo Padre.

The Ground Plane
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